

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,747 MW
Hydro	1,674 MW
Distillate	0 MW
Total TNB	5,421 MW
Total IPP	14,564 MW
Total Co-Gen	12 MW
Total System	20,282 MW

Generation Mix

Type	MWh	Percentage
Gas	45,167	13.61 %
Hydro	7,583	2.28 %
Total TNB	52,750	15.89 %
ST-Coal	187,798	56.59 %
Gas	90,528	27.28 %
Total IPP	278,326	83.87 %
Co-Gen	242	0.07 %
Total Co-Gen	242	0.07 %
Total Generation	331,318	99.83 %
PLTG	149	0.04 %
HVDC	-701	-0.21 %
Interconnection	-552	-0.17 %
Net Energy	331,870	100.00 %

Maximum Demand Record

Date: 4/20/2016	17,788 MW
Date: 4/20/2016	372,457 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	00:00:00 ^{20:30} Hour
Total Set On Bus	16,262 MW
TNB Generation	2,342 MW
IPP Generation	12,416 MW
Spinning Reserve	1,493 MW
Maximum Demand	14,781 ^{14,678} MW
Net Energy	331,870 MWH
Load Factor	93.55 %

Fuel Cost

Total Cost:	40,714,809.00 RM
Cost per Unit	12.58 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	420
Hydro	208
Syncon	545
Thermal	204
Total	1,377

Time	Weather	Temperature
Afternoon	Hot	35
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
GLGR	53
PAKA	47
PGPS	6
SRDG	10
TJGS	214
Total TNB	331
CBPS	54
KLPP	78
MPSS	7
NPRI	77
PDPS	8
PGLA	111
PKLG	5
PLPS	100
PTEK	25
SGRI	171
SKSP	49
Total IPP	684
Total Gas	1,015
Total Gas Required	1,015

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Hourly System MW Generation

	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
System Total	14781	14319	13736	13366	12910	12889	12578	11879	11768	13025	13891	14520	14360	14211	14587	14629	14557	14198	13871	13837	14372	14596	14478	14282

Daily MW Generation on Saturday

Station	Unit	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300																											
Total Hydro		229	191	171	171	151	160	167	166	160	165	162	160	160	303	264	406	407	398	410	437	437	453	475	584	538	391	386	290	359	366	268	267	272	275	266	244	241	329	332	433	359	449	449	449	448	251	230	231			
Total Distillate		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PCUF	CUFG	3	2	5	5	4	4	4	4	5	4	4	3	3	5	4	4	5	4	2	3	2	3	2	3	1	1	1	1	1	2	1	2	1	1	0	0	1	3	3	4	4	4	4	4	2	2	2	1			
PCUF	CUFK	8	6	8	9	8	6	8	7	7	7	9	7	7	8	7	8	7	8	7	8	7	8	6	7	8	8	6	7	7	7	7	7	6	7	6	7	7	7	8	7	8	7	8	9	7	6	9	8			
Total Co-Gen		11	8	13	14	12	10	12	11	12	11	11	12	10	12	11	12	12	9	11	8	10	10	11	7	8	8	8	8	9	7	9	7	9	6	7	8	10	10	12	11	12	11	12	11	12	11	9	8	11	9	
Total Gen		14769	14604	14290	14053	13668	13451	13359	13158	12910	13066	12995	12682	12515	12445	12019	11641	11709	12414	12984	13385	13888	14216	14433	14548	14381	14202	14186	14297	14525	14612	14582	14539	14512	14460	14224	14043	13881	13850	13835	14084	14353	14645	14579	14502	14443	14339	14225	13997			
TIE-EGAT		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
TIE-HVDC		-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-30	-30	-28	-28	-29	-29	-29	-29	-30	-30	-29				
TIE-PLTG		18	6	1	-3	-39	14	22	52	29	-9	46	-36	-34	41	168	-4	-30	0	-11	-28	27	7	-58	-26	50	36	5	-55	-33	13	-18	9	-16	-35	56	-12	40	46	28	69	9	-2	12	-7	-6	-22	-27	7			
Interconnection		-12	-23	-29	-32	-68	-15	-7	23	0	-38	16	-65	-63	12	140	-32	-59	-30	-41	-58	-3	-22	-87	-55	21	6	-25	-84	-62	-16	-47	-20	-45	-64	26	-42	10	16	-2	41	-19	-31	-17	-36	-35	-51	-57	-22			
System Total		14781	14627	14319	14085	13736	13466	13366	13135	12910	13104	12889	12747	12578	12433	11879	11673	11768	12444	13025	13443	13891	14238	14520	14603	14360	14196	14211	14381	14587	14628	14629	14559	14557	14524	14198	14085	13871	13834	13837	14043	14372	14676	14596	14538	14478	14390	14282	14019			
SRev ST-Coal		100	192	216	215	208	219	224	231	221	213	221	216	228	222	216	218	212	201	217	311	267	258	259	240	206	213	215	203	191	158	166	164	154	171	161	139	213	221	214	229	212	163	160	160	165	168	176	144			
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	80	12	39	41	75	39	143	9	47	15	29	75	70	104	153	76	77	78	156	40	93	26	94	157	112	88	68	0
SRev CCGT-Gas		459	491	429	346	574	499	386	481	732	590	741	965	1117	1340	1733	2214	2100	1398	1233	849	642	404	267	279	368	333	345	284	209	192	213	210	258	259	339	366	452	562	511	463	299	212	215	227	214	221	233	375			
SRev ST-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
SRev Co-Gen		1	4	-1	-2	0	2	0	1	0	1	1	0	2	0	1	0	0	0	3	1	4	2	2	1	5	4	4	4	3	5	3	5	3	6	5	4	2	2	0	1	0	1	0	1	3	4	1	3			
Syncon		800	800	800	800	800	649	649	498	498	498	498	498	498	498	397	397	296	296	296	296	296	296	296	296	296	296	296	296	296	296	296	296	296	296	296	296	296	296	296	296	296	296	296	296	296	296	296	296	296		
Hydro		133	107	109	109	129	121	114	116	122	117	120	122	122	80	119	78	77	86	74	131	131	133	131	159	205	201	206	196	151	268	257	258	260	264	273	295	298	285	282	281	355	265	265	265	266	313	184	183			
S.Reserve Total		1493	1594	1553	1468	1711	1490	1373	1327	1573	1419	1581	1801	1967	2039	2466	2806	2685	1981	1823	1588	1420	1105	994	1016	1155	1187	1310	1194	1099	1287	1468	1512	1545	1604	1731	1680	1842	1948	1963	1814	1759	1467	1534	1610	1560	1594	1462	1505			